

# Recombinant Mouse Pank2 Protein, His-tagged

**Cat. No.** Pank2-1896M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Pank2 Protein (Phe157-Pro443) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Phe157-Pro443                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Enables pantothenate kinase activity. Acts upstream of or within several processes, including coenzyme A biosynthetic process; mitochondrion morphogenesis; and spermatid development. Located in cytosol and mitochondrion. Human ortholog(s) of this gene implicated in pantothenate kinase-associated neurodegeneration. Orthologous to human PANK2 (pantothenate kinase 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 35.5 kDa<br>Accurate Molecular Mass: 36 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

Pank2 pantothenate kinase 2 [ *Mus musculus* (house mouse) ]

**Official Symbol**

Pank2

**Synonyms**

PANK2; pantothenate kinase 2; pantothenate kinase 2 (Hallervorden-Spatz syndrome); AI642621; 4933409I19Rik; MGC118448;

**Gene ID**

74450

**mRNA Refseq**

NM\_153501

**Protein Refseq**

NP\_705721

**UniProt ID**

Q3U4S0

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